

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107559.D
 Acq On : 21 Jul 2018 7:37
 Operator : JU/SJ
 Sample : J4061-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-M

Quant Time: Jul 23 03:26:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	269842	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	893344	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	313122	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	648707	20.00	ng	0.00
75) Chrysene-d12	14.16	240	708936	20.00	ng	0.00
86) Perylene-d12	15.69	264	520054	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	705354	42.03	ng	0.00
7) Phenol-d6	6.60	99	567540	28.16	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1429776	108.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	345092	96.92	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2144399	139.57	ng	0.00
78) Terphenyl-d14	13.10	244	2204077	79.59	ng	0.00

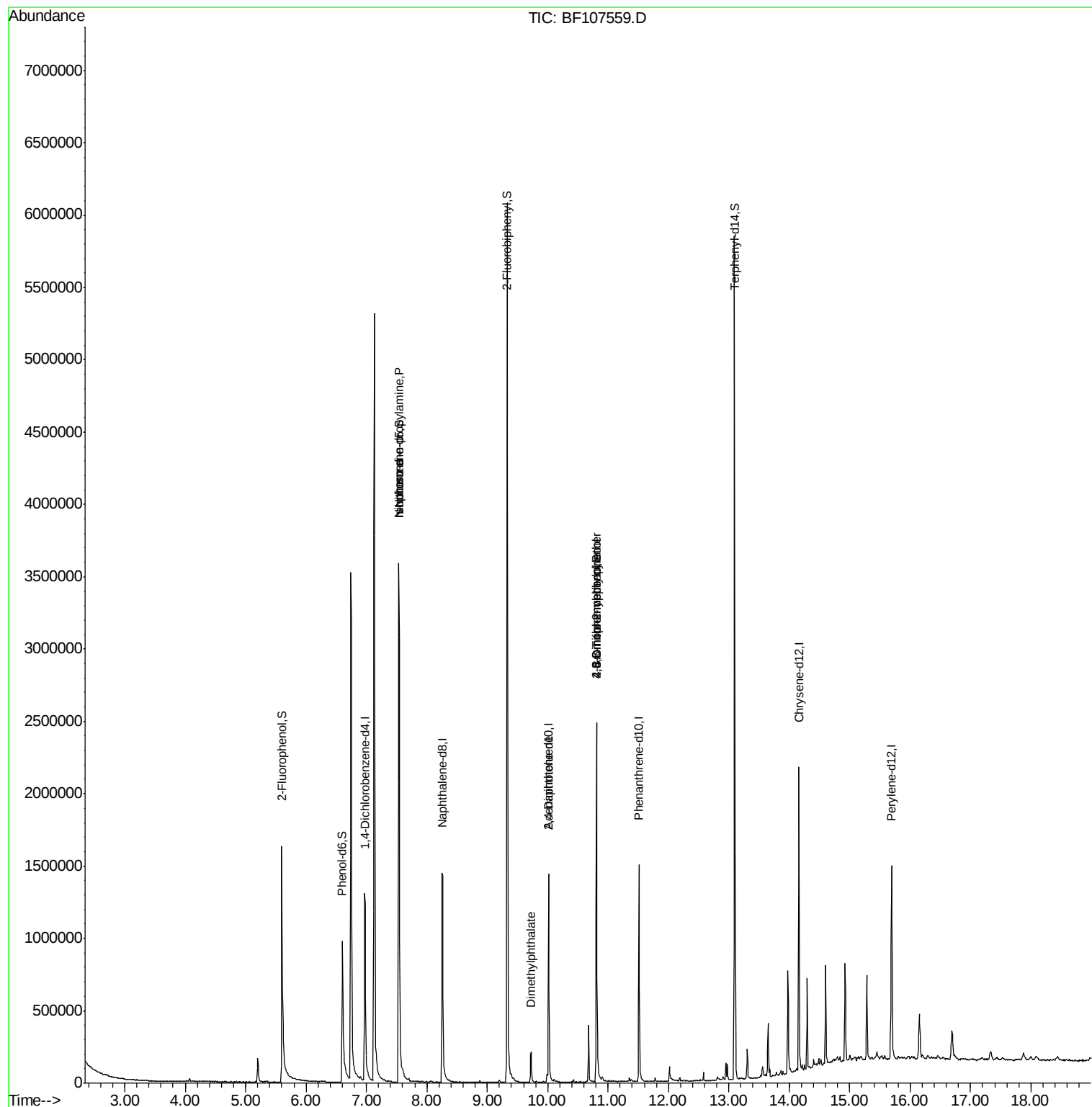
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	193218	14.842	ng	# 80
25) Isophorone	7.54	82	1429769	50.587	ng	# 64
49) Dimethylphthalate	9.72	163	104580	4.432	ng	# 96
56) 2,4-Dinitrotoluene	10.02	165	39589	7.000	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	593	8.836	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	20305	2.659	ng	# 1
73) Di-n-butylphthalate	12.06	149	1747	Below Cal		# 78
81) 3,3'-Dichlorobenzidine	14.13	252	149	Below Cal		# 27

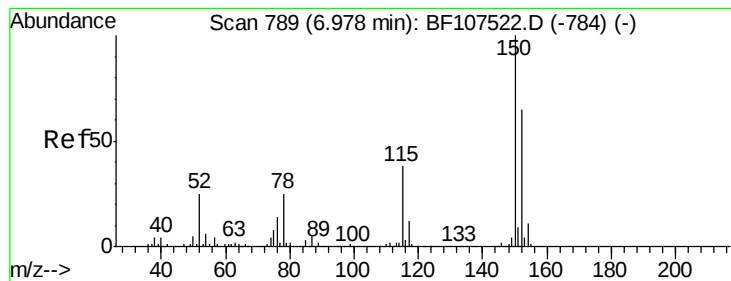
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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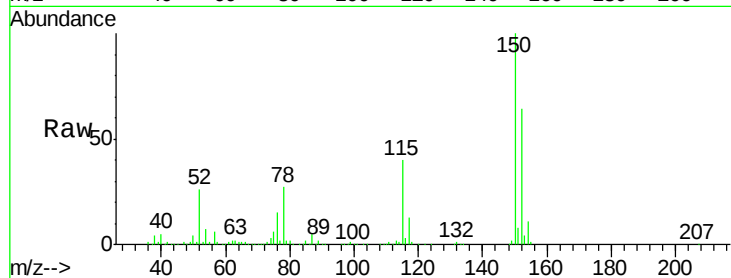


#1

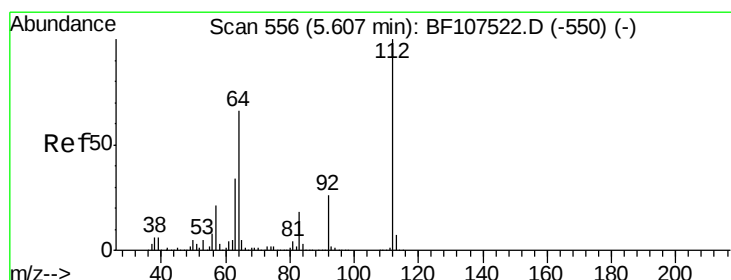
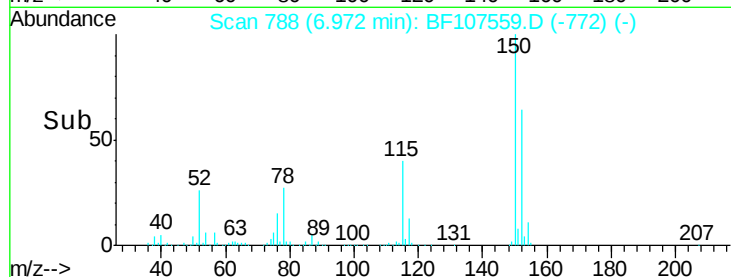
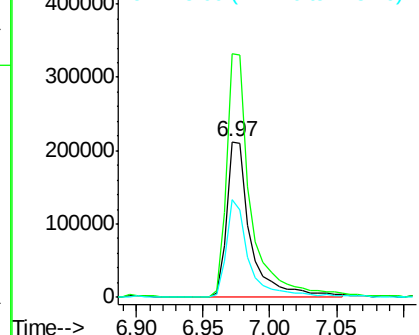
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107559.D
Acq: 21 Jul 2018 7:37

Instrument :
BNA_F
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Tgt Ion:152 Resp: 269842
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 62.9 50.1 75.1



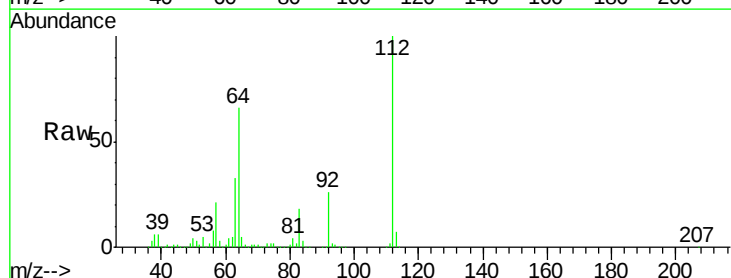
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



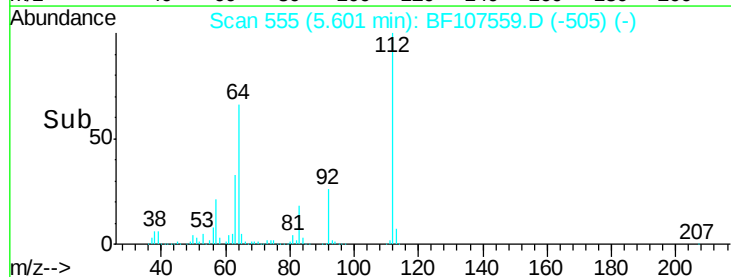
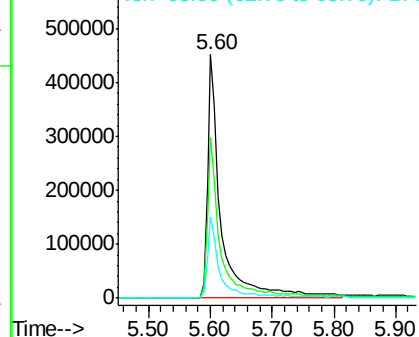
#5

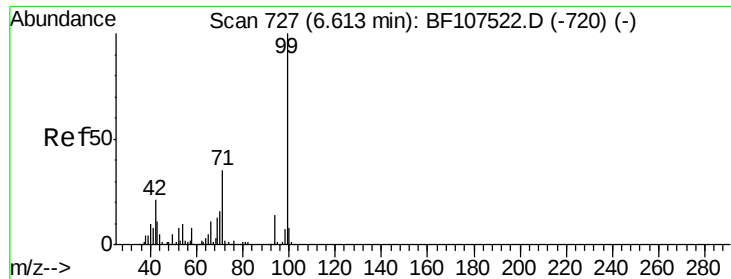
2-Fluorophenol
Concen: 42.027 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107559.D
Acq: 21 Jul 2018 7:37

Tgt Ion:112 Resp: 705354
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 33.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.163 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-M

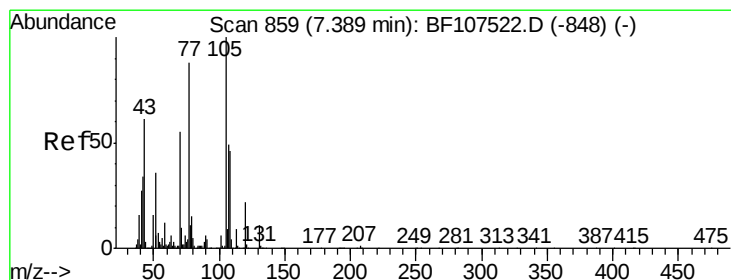
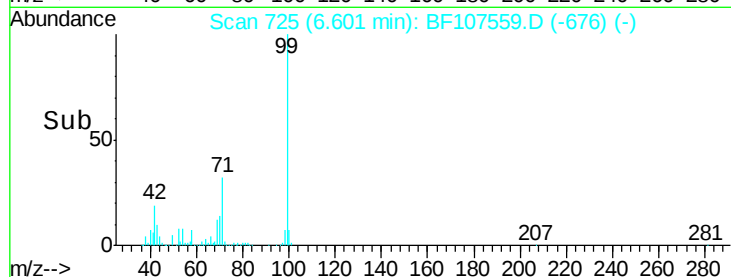
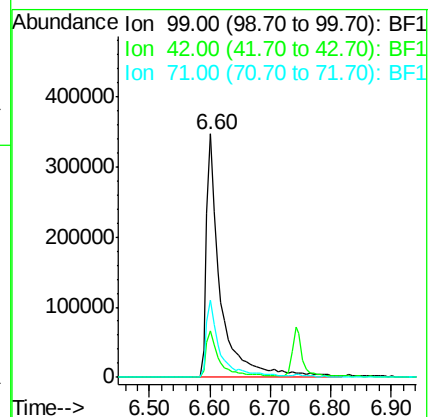
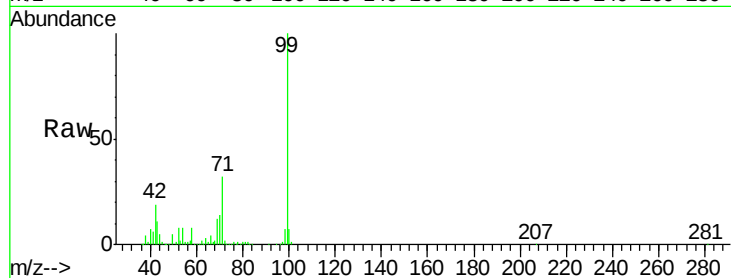
Tgt Ion: 99 Resp: 567540

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 31.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.842 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

Tgt Ion: 70 Resp: 193218

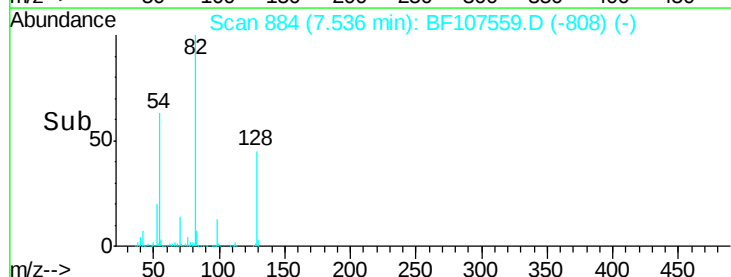
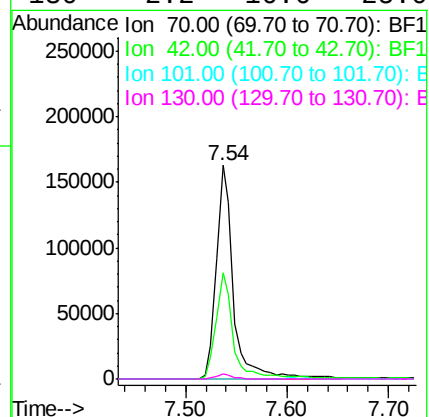
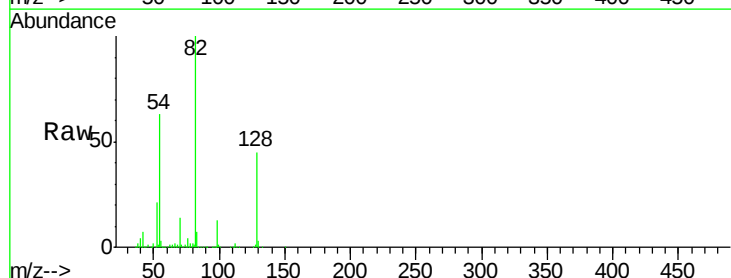
Ion Ratio Lower Upper

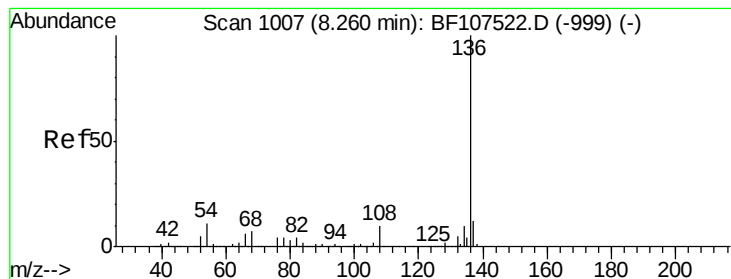
70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-M

Tgt Ion:136 Resp: 893344

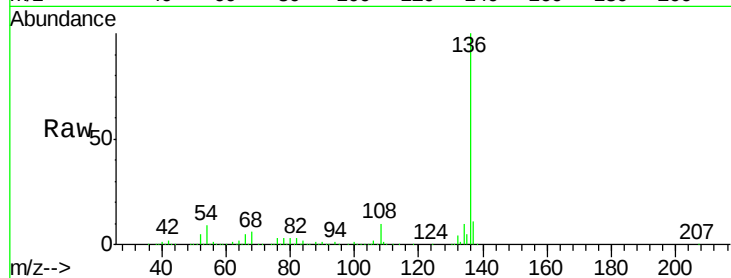
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.1 6.6 9.8

68 5.8 5.0 7.4

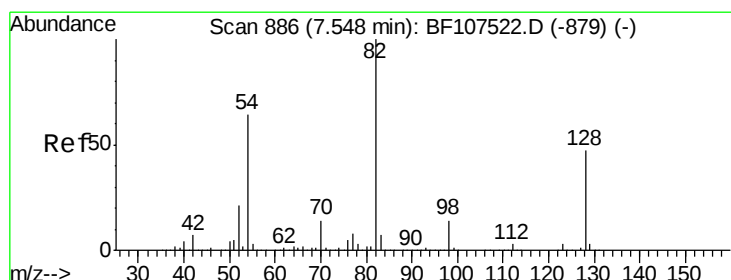
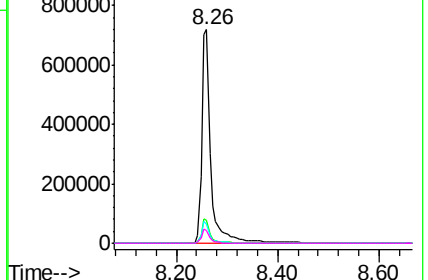
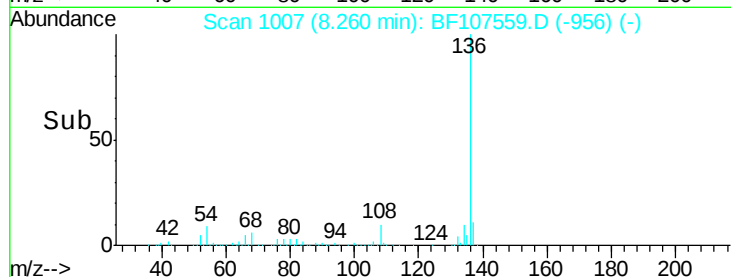


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 108.012 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

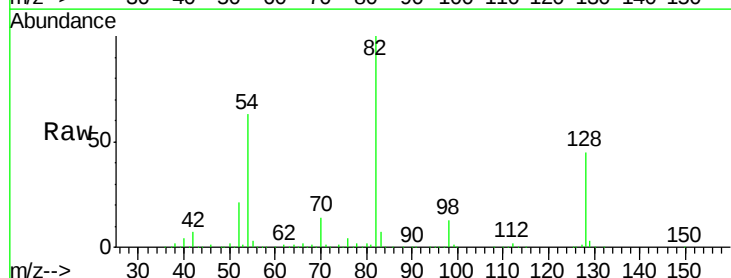
Tgt Ion: 82 Resp: 1429776

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

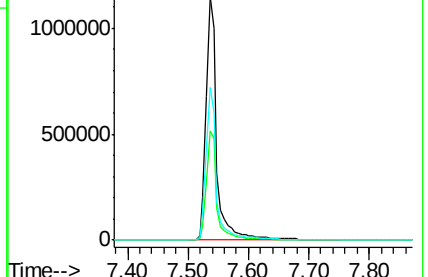
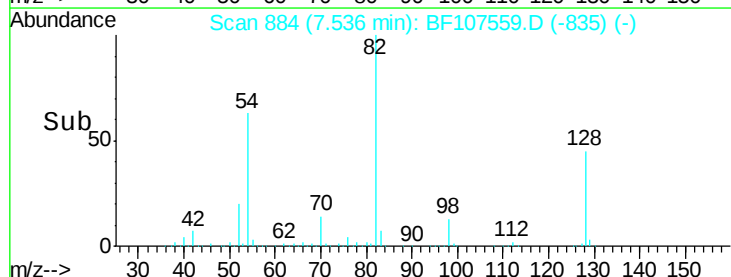
54 63.0 41.4 62.2#

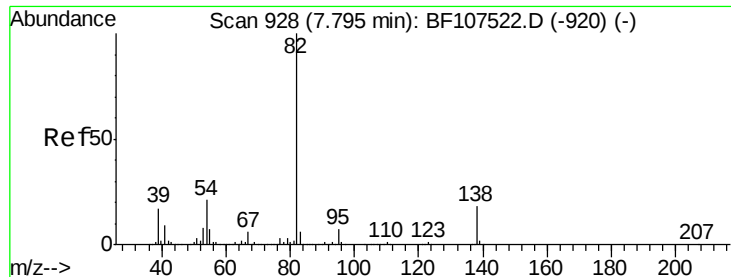


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.587 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107559.D

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071718-DBRI-E-D-M

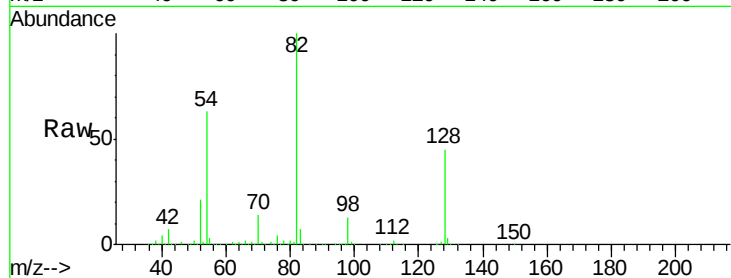
Tgt Ion: 82 Resp: 1429769

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

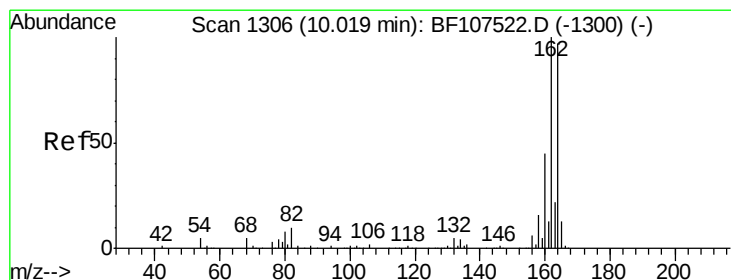
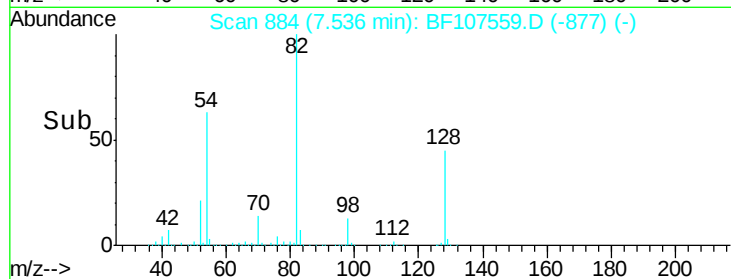
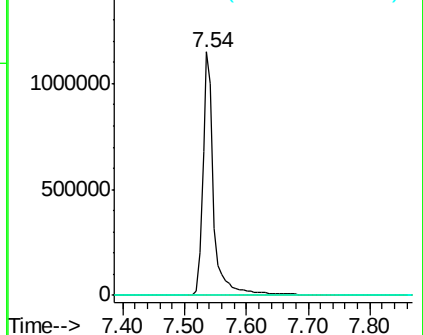
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

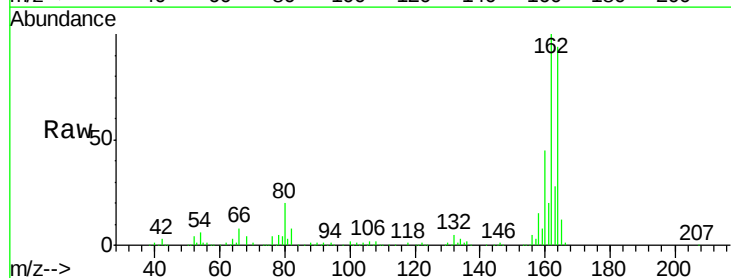
Tgt Ion: 164 Resp: 313122

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

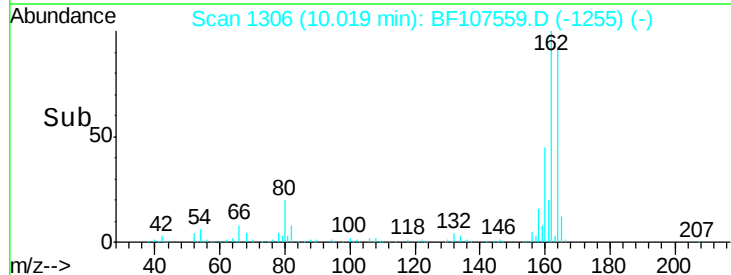
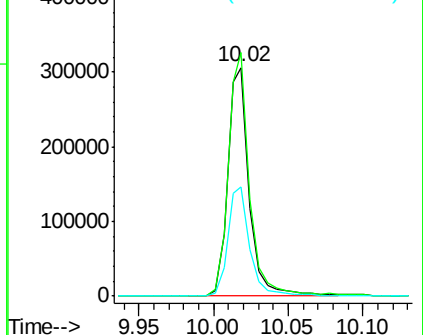
160 47.5 38.3 57.5

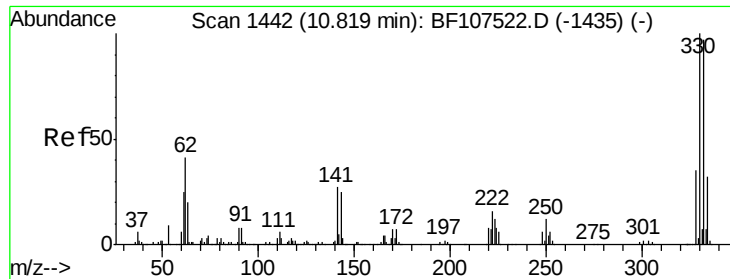


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

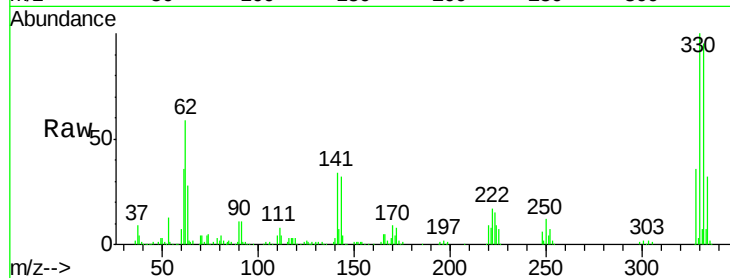




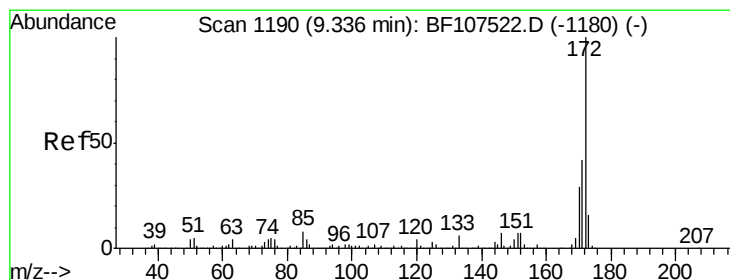
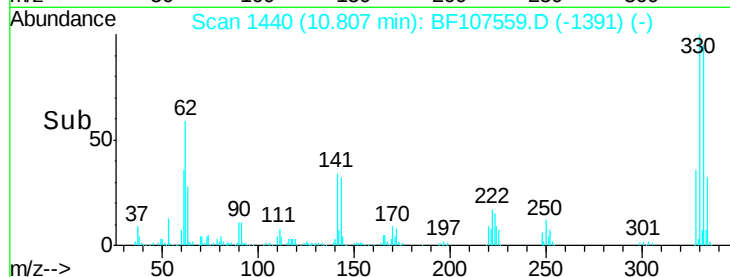
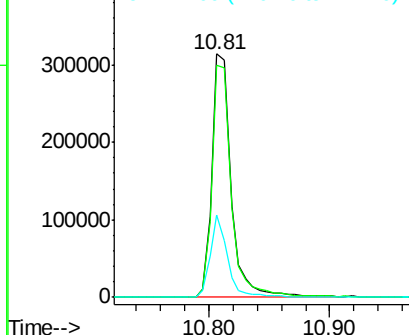
#41
 2,4,6-Tribromophenol
 Concen: 96.917 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107559.D
 Acq: 21 Jul 2018 7:37

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Tgt Ion:330 Resp: 345092
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 30.8 29.9 44.9

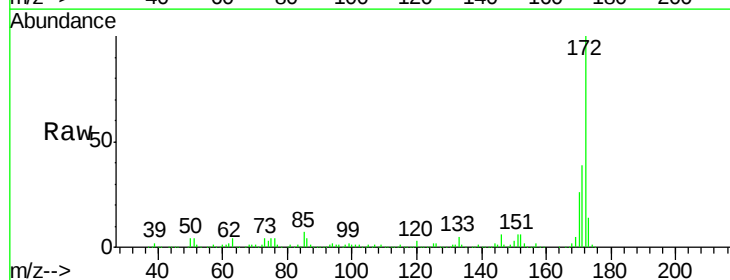


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

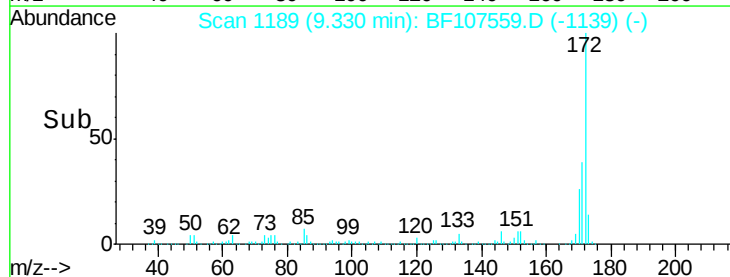
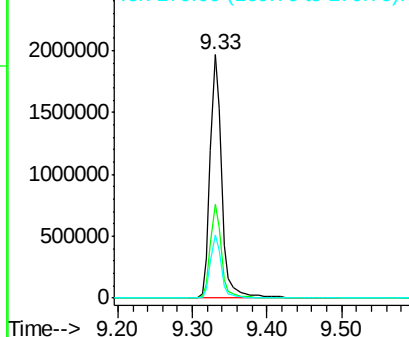


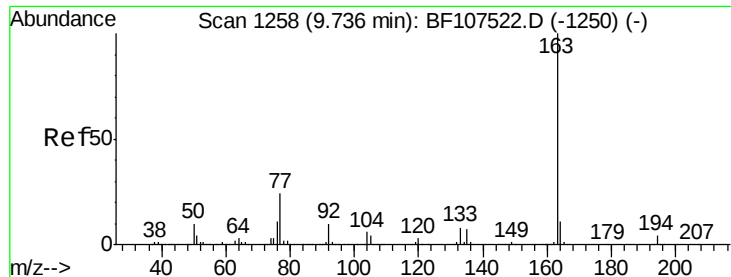
#44
 2-Fluorobiphenyl
 Concen: 139.568 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107559.D
 Acq: 21 Jul 2018 7:37

Tgt Ion:172 Resp: 2144399
 Ion Ratio Lower Upper
 172 100
 171 38.6 29.7 44.5
 170 26.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

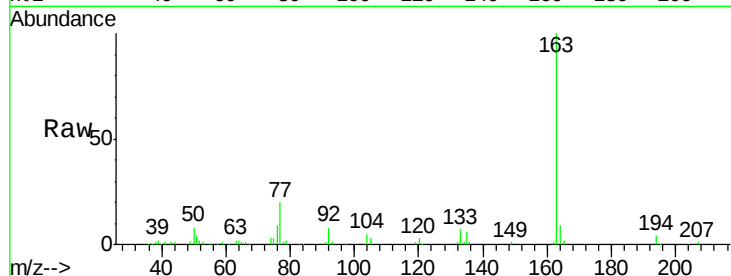




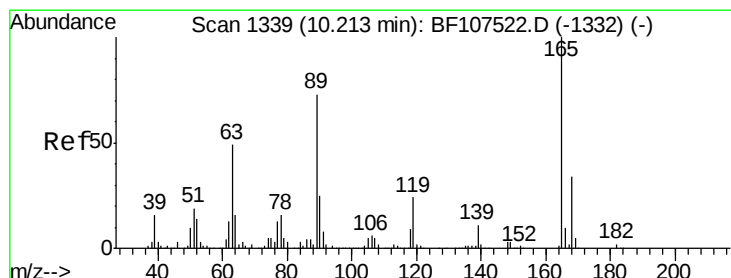
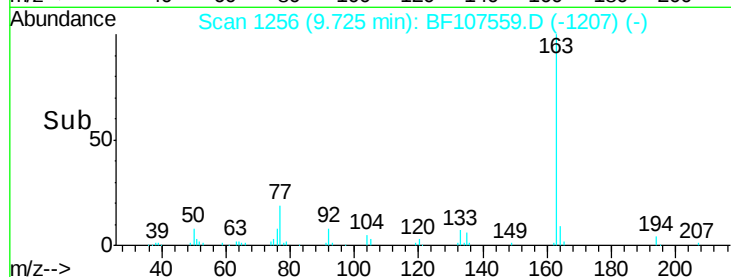
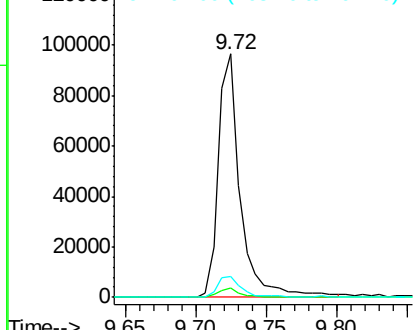
#49
Dimethylphthalate
Concen: 4.432 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107559.D
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Tgt Ion:163 Resp: 104580
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 8.5 8.2 12.2

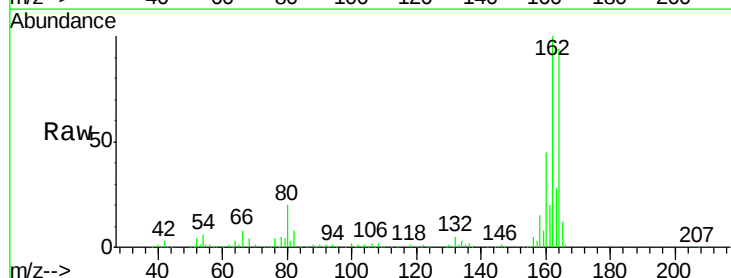


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

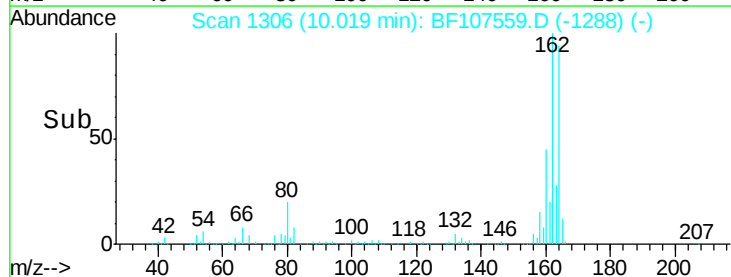
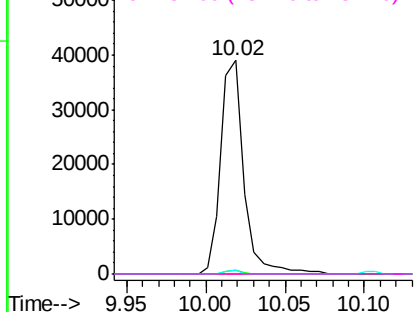


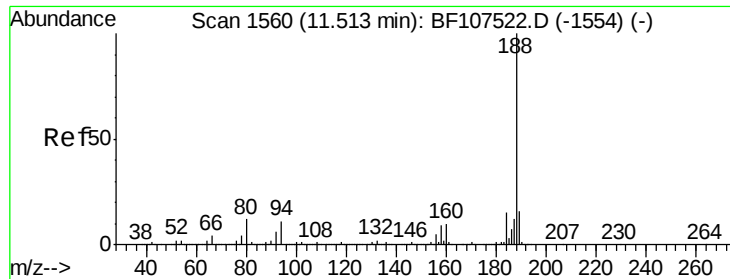
#56
2,4-Dinitrotoluene
Concen: 7.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF107559.D
Acq: 21 Jul 2018 7:37

Tgt Ion:165 Resp: 39589
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-M

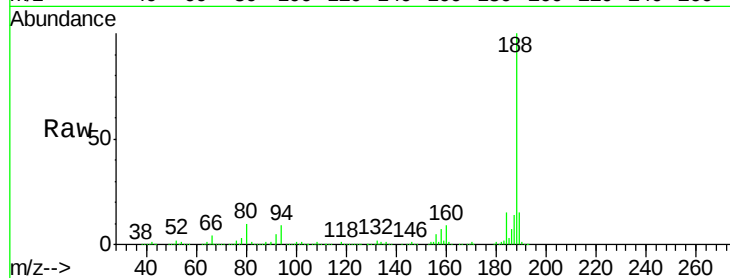
Tgt Ion:188 Resp: 648707

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

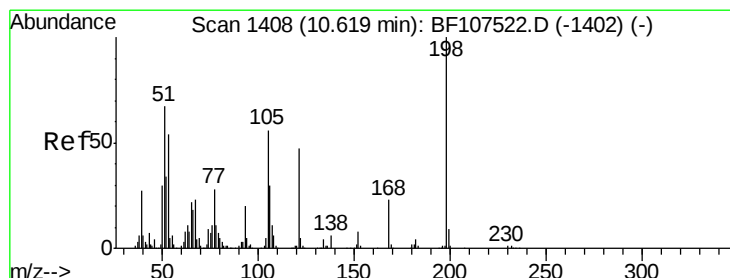
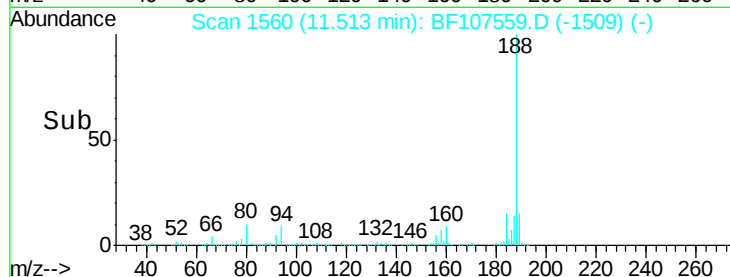
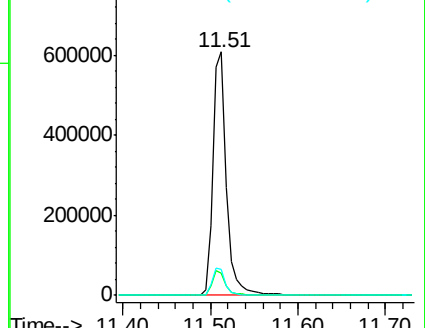
80 10.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.836 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

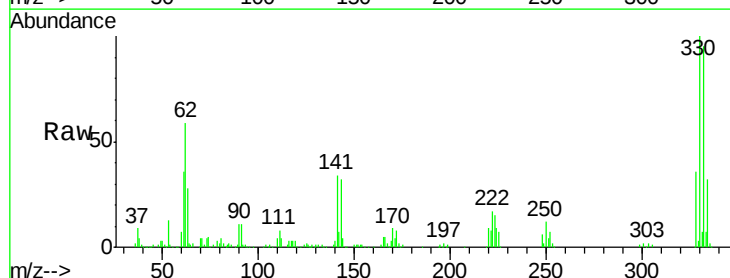
Tgt Ion:198 Resp: 593

Ion Ratio Lower Upper

198 100

51 252.0 37.7 77.7#

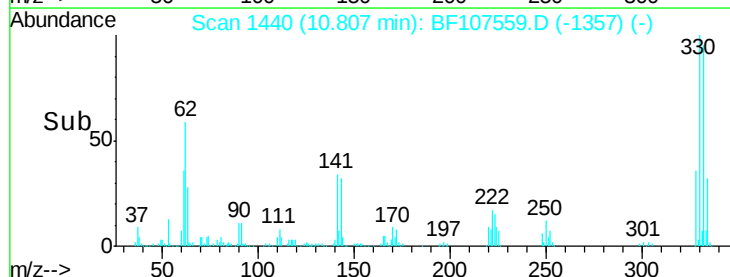
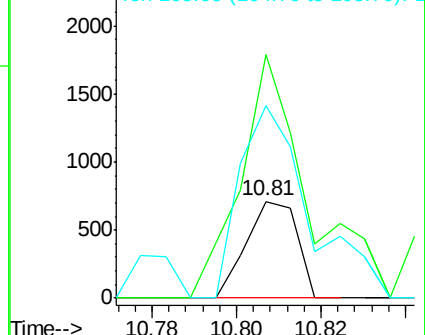
105 199.3 36.3 76.3#

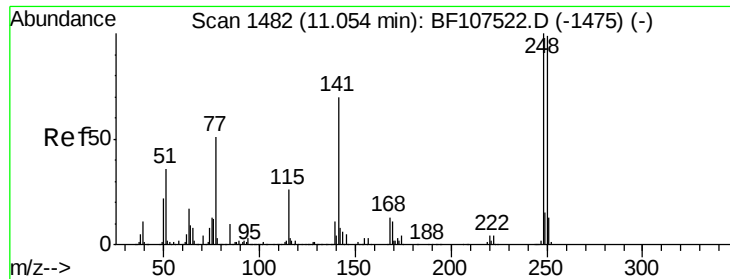


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

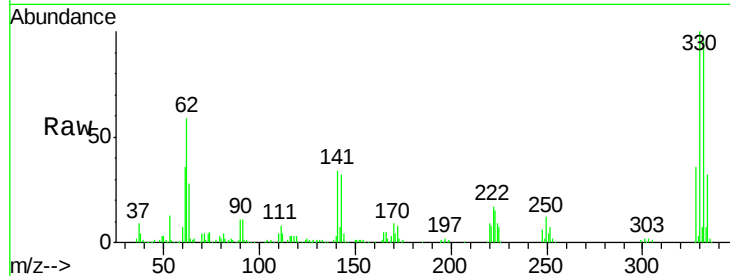




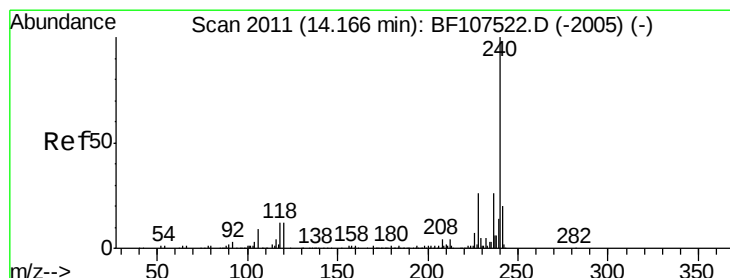
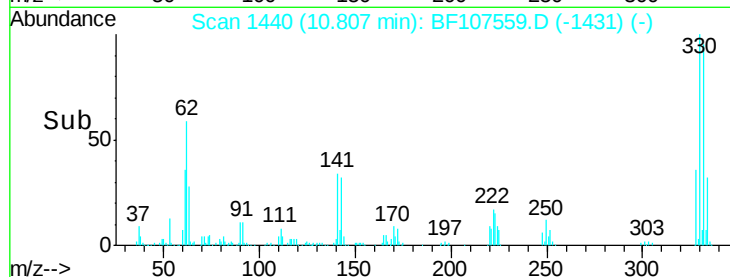
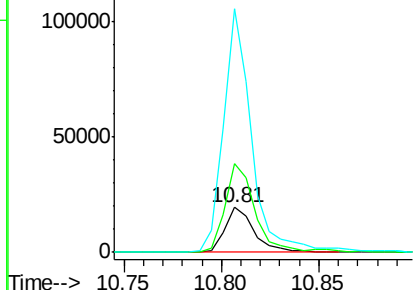
#66
 4-Bromophenyl-phenylether
 Concen: 2.659 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107559.D
 Acq: 21 Jul 2018 7:37

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-M

Tgt Ion:248 Resp: 20305
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.9 115.3#
 141 545.1 74.4 111.6#

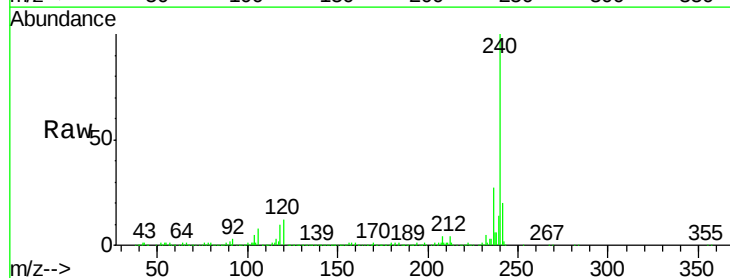


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

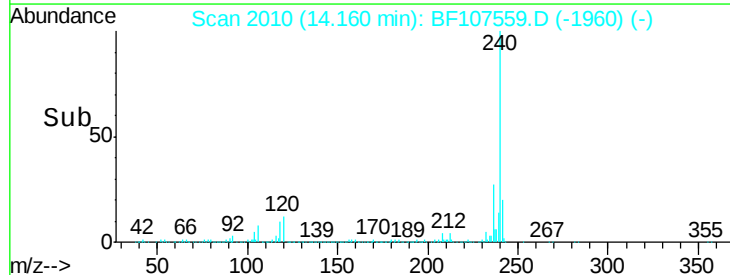
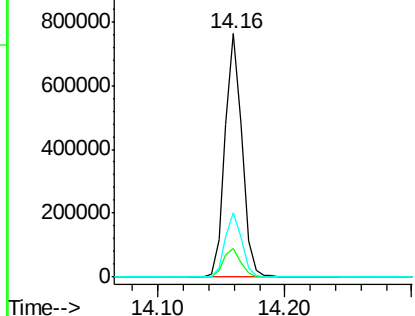


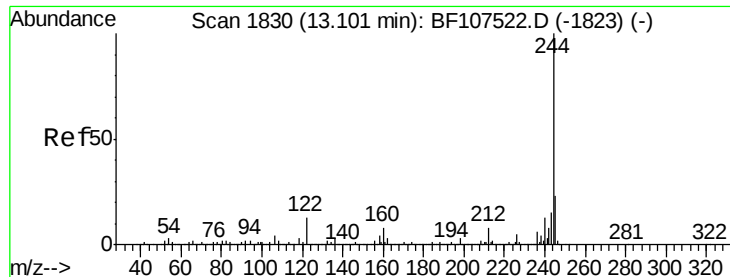
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107559.D
 Acq: 21 Jul 2018 7:37

Tgt Ion:240 Resp: 708936
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.5 14.3
 236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.593 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-M

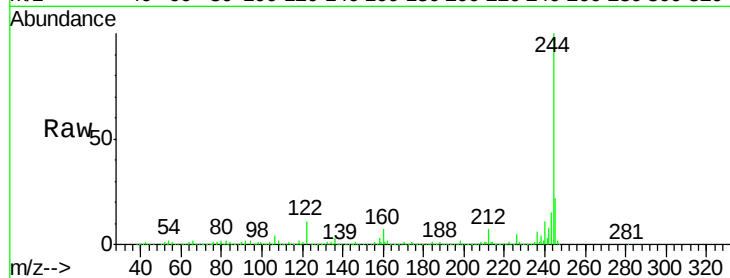
Tgt Ion:244 Resp: 2204077

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

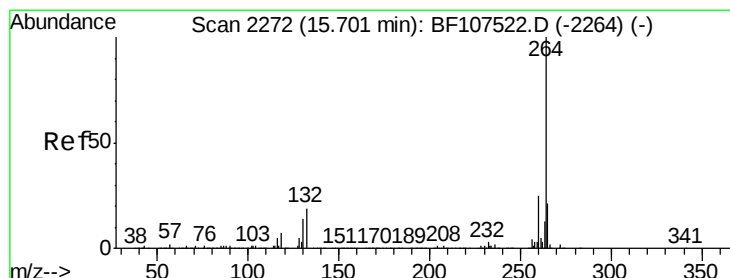
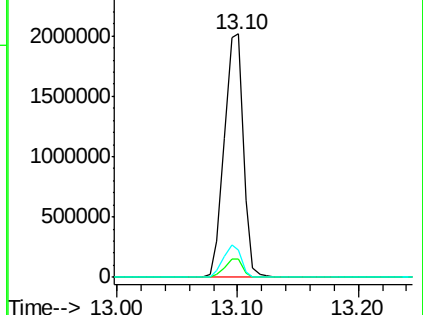
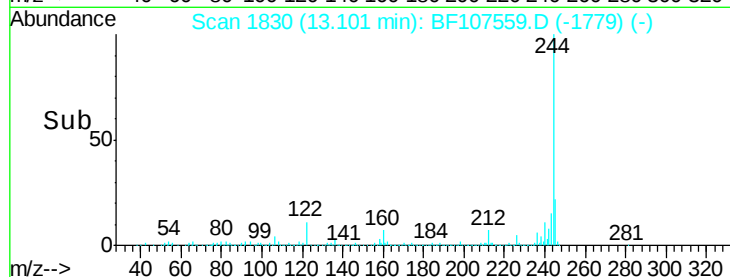
122 11.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107559.D

Acq: 21 Jul 2018 7:37

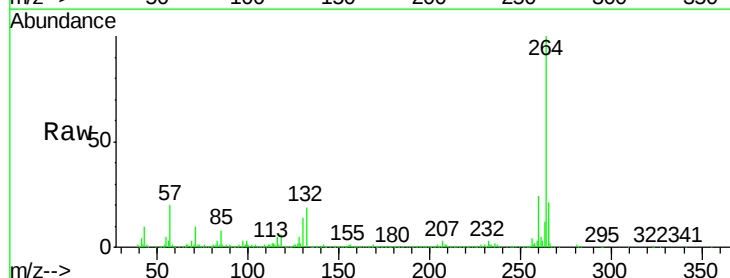
Tgt Ion:264 Resp: 520054

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

